THE CLAIMS

We claim:

1. A golf ball having least one layer, the layer formed of a polymer blend comprising at least one oxa ester.

2. The golf ball of claim 1, wherein the golf ball has an Atti compression of at least 50 and a coefficient of restitution of at least 0.7.

3. The golf ball of claim 1, wherein the layer has a hardness of at least 15 Shore A, a flexural modulus of at least 500 psi and a specific gravity of at least 0.7.

4. The golf ball of claim 1, wherein said layer further comprises at least one density adjusting filler.

5. The golf ball of claim 4 wherein the density adjusting filler is a metallic powder.

6. The golf ball of claim 5 wherein the metallic powder is titanium, tungsten, tin or copper powder.

7. The golf ball of claim 4, wherein the density adjusting filler is a metallic oxide derivative.

8. The golf ball of claim 7, wherein the metallic oxide derivative is an oxide derivative selected from the group consisting of titanium, tungsten, copper and tin.

9. The golf ball of claim 1, wherein the layer has a foamed structure.

10. The golf ball according to claim 1, comprising a cover, wherein the layer forms at least a portion of the cover.

11. The golf ball of claim 10, wherein the cover layer has a hardness at least 40 Shore D to about 70 Shore D and a flexural modulus at least 10,000 to about 100,000 psi.

12. The golf ball according to claim 10, further comprising a core, wherein the layer forms at least a portion of the core.

13. The golf ball of claim 12, wherein said core layer has a hardness at least 40 Shore A to about 70 Shore D and a flexural modulus at least 500 to about 150,000 psi.

14. The golf ball of claim 13, wherein the core further comprises cis-polybutadiene.

15. A golf ball according to claim 12, wherein the portion of the core is solid or fluid.

16. A golf ball according to claim 15, wherein the portion of the core is fluid further comprising a tensioned elastomeric material.

17. The golf ball according to claim 16, wherein the tensioned elastomeric material further comprises natural or synthetic elastomers or blends thereof.

18. The golf ball according to claim 12, further comprising at least one intermediate layer situated between the cover and the core.

19. The golf ball of claim 18, wherein the at least one intermediate layer has a hardness at least 20 Shore D to 70 Shore D and flexural modulus at least 500 to about 100,000 psi.

20. The golf ball according to claim 18, wherein the layer forms at least a portion of at least one intermediate layer.

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